

Fig. 1A

|       |               |  |             |
|-------|---------------|--|-------------|
| SUS1  | SEQ ID NO: 1  | ENGIL <u>RR</u> KWISRFDVWPYL   | native      |
| SUS2  | SEQ ID NO: 3  | ENGIV <u>RR</u> KWISRFEVWPYL   | native      |
| SS2   | SEQ ID NO: 10 | GIV <u>RR</u> KWISRFEVWPYL <b>KK</b>   | active      |
| SS11  | SEQ ID NO: 11 | ILRVPFRTENGIV <u>RR</u> KWI(NH <sub>2</sub> )  | inactive    |
| SS12  | SEQ ID NO: 12 | GIV <u>RR</u> KWISRFEVWPYL(NH <sub>2</sub> )   | active      |
| SS15  | SEQ ID NO: 13 | GIV <u>RR</u> KWISRFEVAPYL(NH <sub>2</sub> )   | less active |
| SS16  | SEQ ID NO: 14 | SRFEVWPYL(NH <sub>2</sub> )  | less active |
| SP3   | SEQ ID NO: 18 | <sup>N</sup> <b>RR</b> ISSVE <sup>N</sup> <sup>N</sup> <b>DKK</b> (NH <sub>2</sub> ) | inactive    |
| NR11  | SEQ ID NO: 15 | GPTL <u>RR</u> IASTAFMNTTS <b>KK</b>   | inactive    |
| SP26  | SEQ ID NO: 16 | GRM <u>RR</u> IATVEMM <b>KK</b>  | inactive    |
| SS1   | SEQ ID NO: 9  | GDRVLSRLHSVRERIGK  | inactive    |
| ACTIN | SEQ ID NO: 19 | EHGIVTNWDDMEKIWHHTFY   | consensus   |

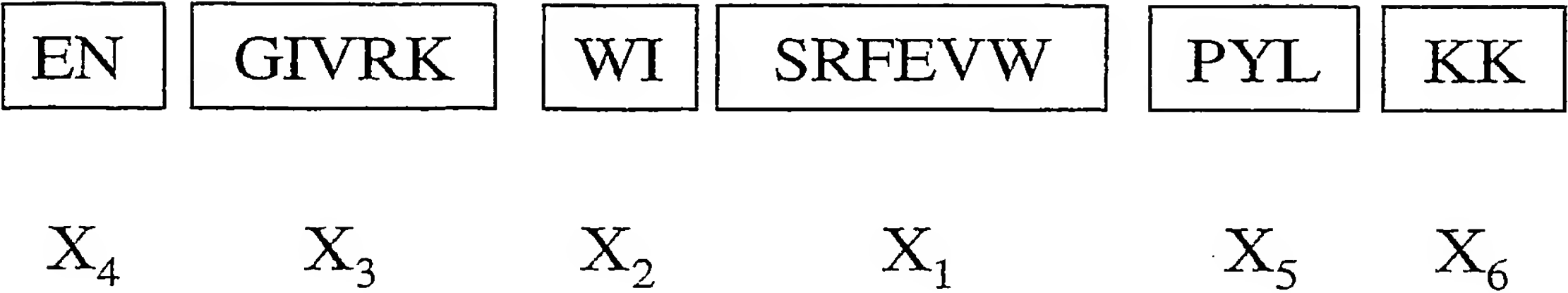
BEST AVAILABLE COPY

Double basic cluster: black box; e.g. **KK**

Possible region of specificity: underlined or boxed

Substitutions: bold

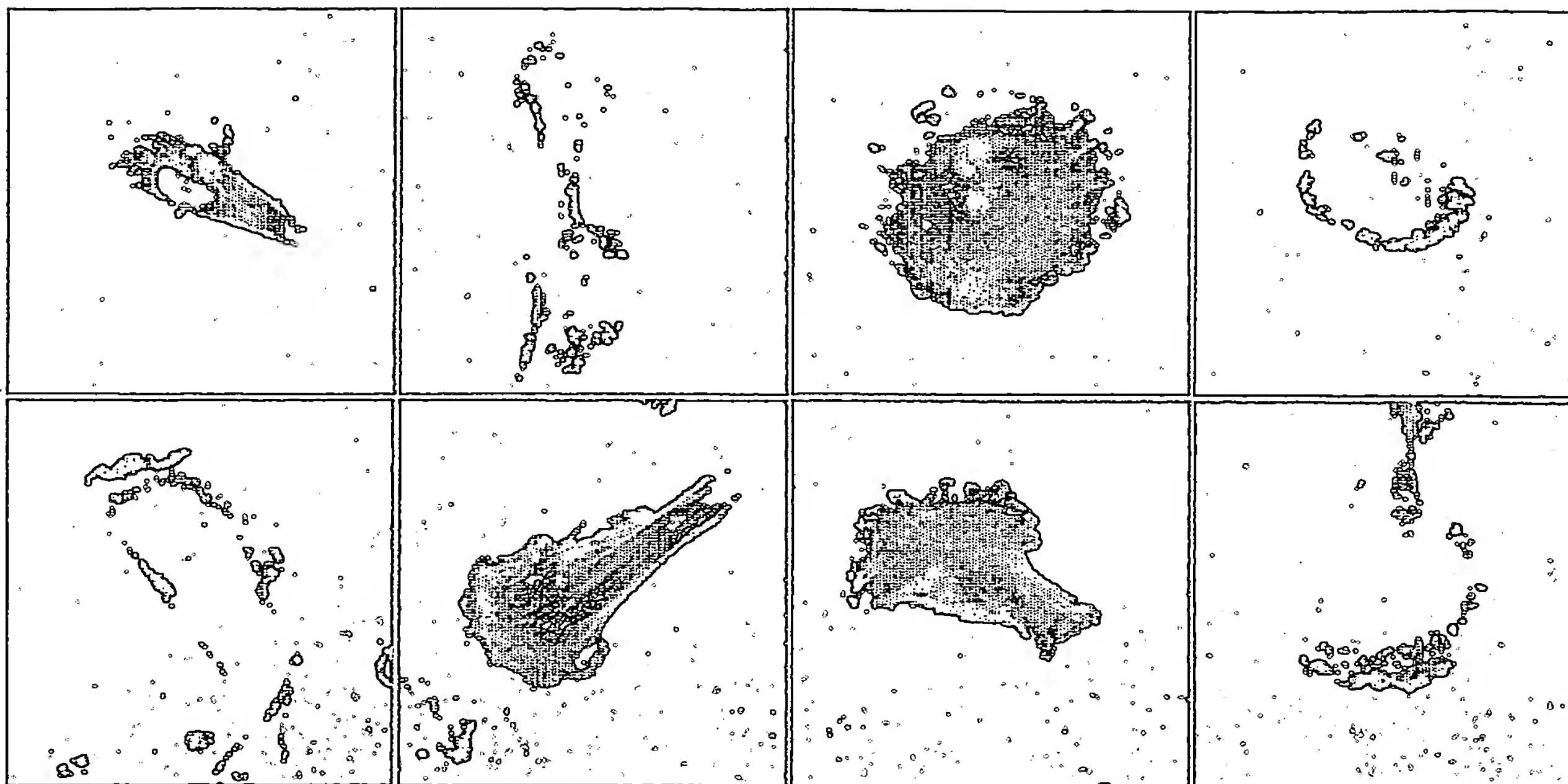
Fig. 1B



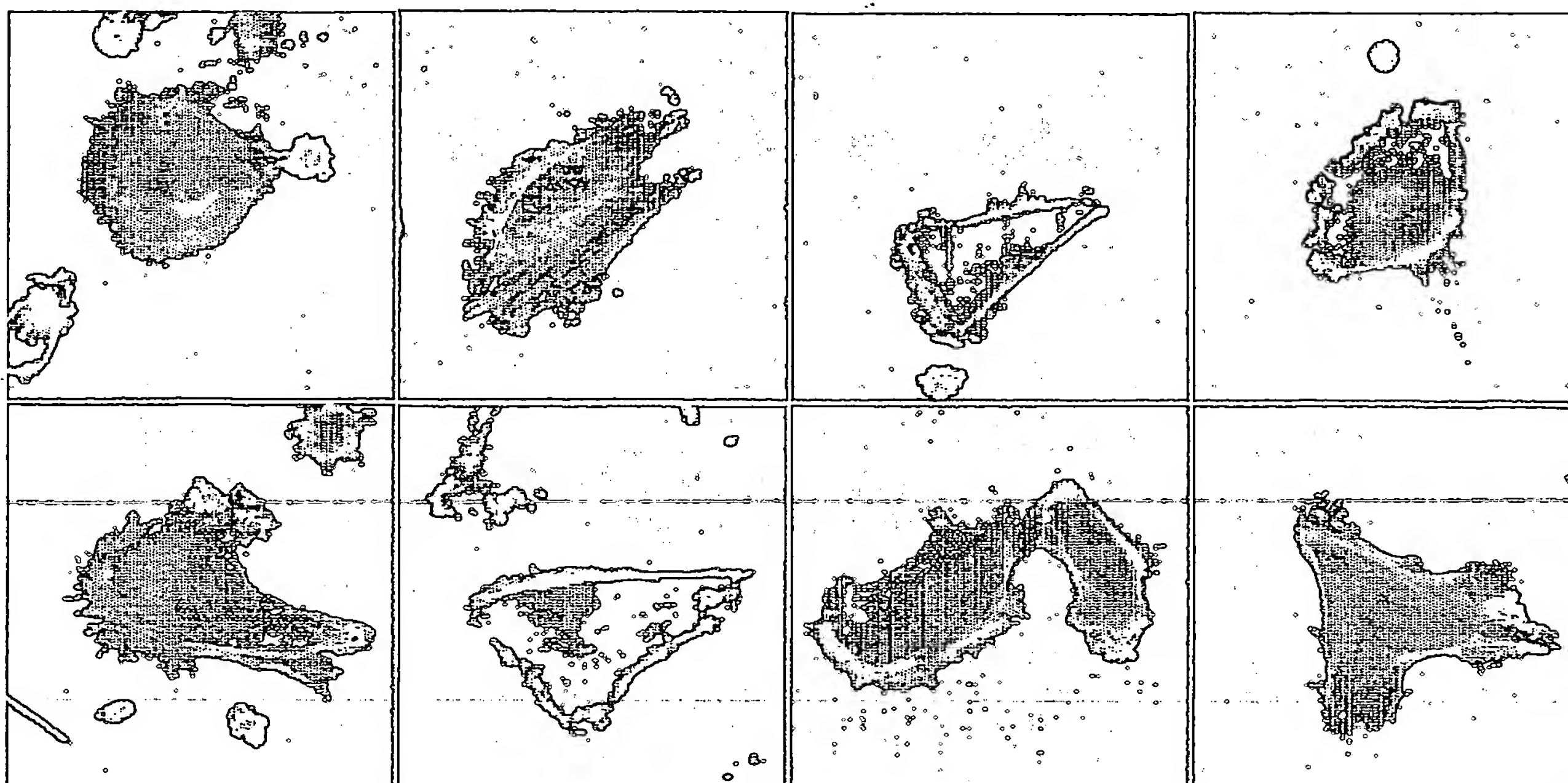
| SEQ ID NO.   |                           | SEQUENCE                             |
|--------------|---------------------------|--------------------------------------|
| SEQ ID NO:22 | $X_1$                     | <div>SRFEVW</div>                    |
| SEQ ID NO:17 | $X_2-X_1$                 | <div>WIS</div> SRFEVW                |
| SEQ ID NO:14 | $X_1-X_5$                 | SRFEVW <div>PYL</div>                |
| SEQ ID NO:23 | $X_2-X_1-X_5$             | <div>WIS</div> SRFEVW <div>PYL</div> |
| SEQ ID NO:12 | $X_2-X_1-X_5$             | <div>GIVRK</div> WISRFEVWPYL         |
| SEQ ID NO:10 | $X_3-X_2-X_1-X_5$         | GIVRKWISRFEVWPYL <div>KK</div>       |
| SEQ ID NO:24 | $X_4-X_3-X_2-X_1-X_5-X_6$ | <div>ENG</div> GIVRKWISRFEVWPYLKK    |

Fig. 2

A



B



**Fig. 3**

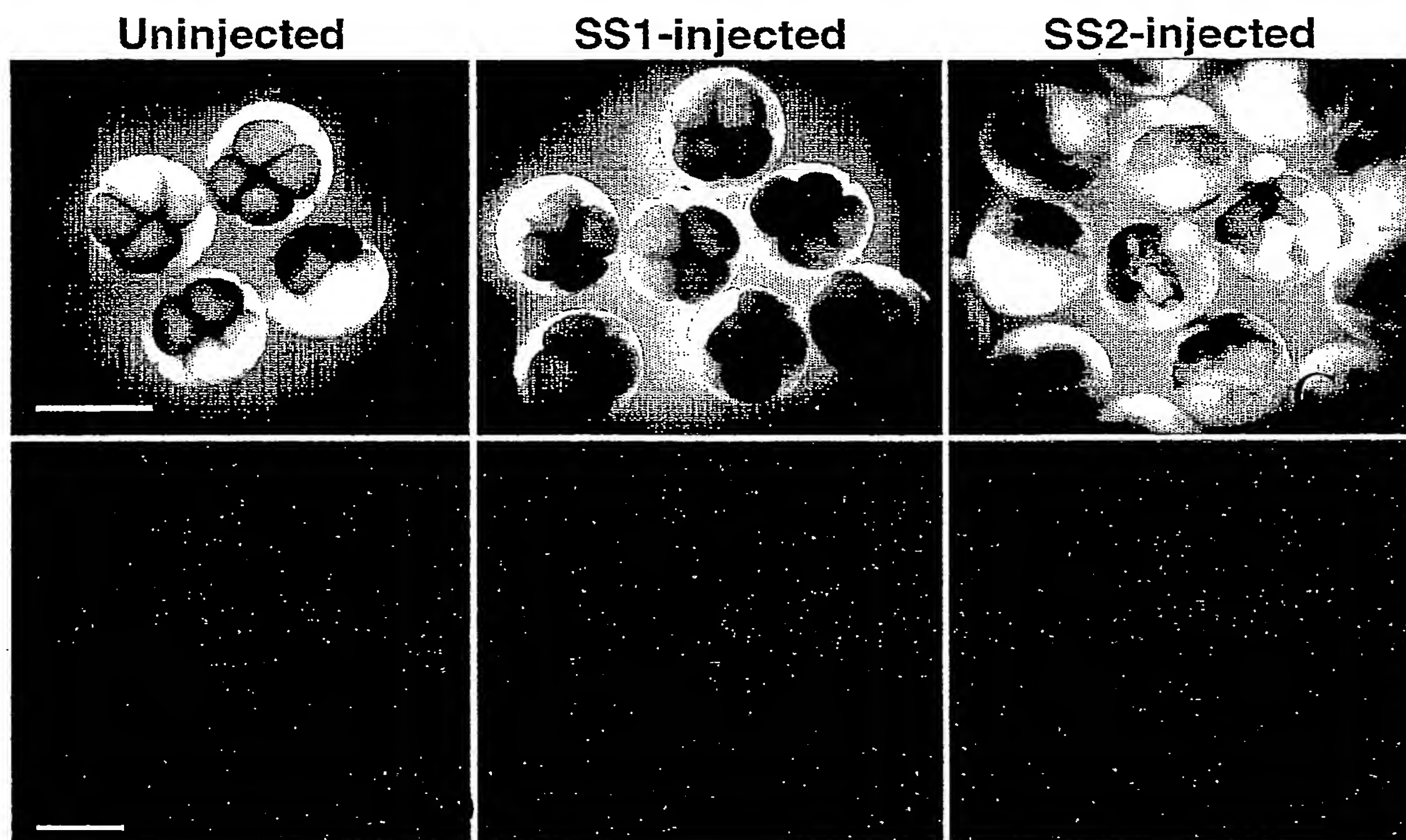
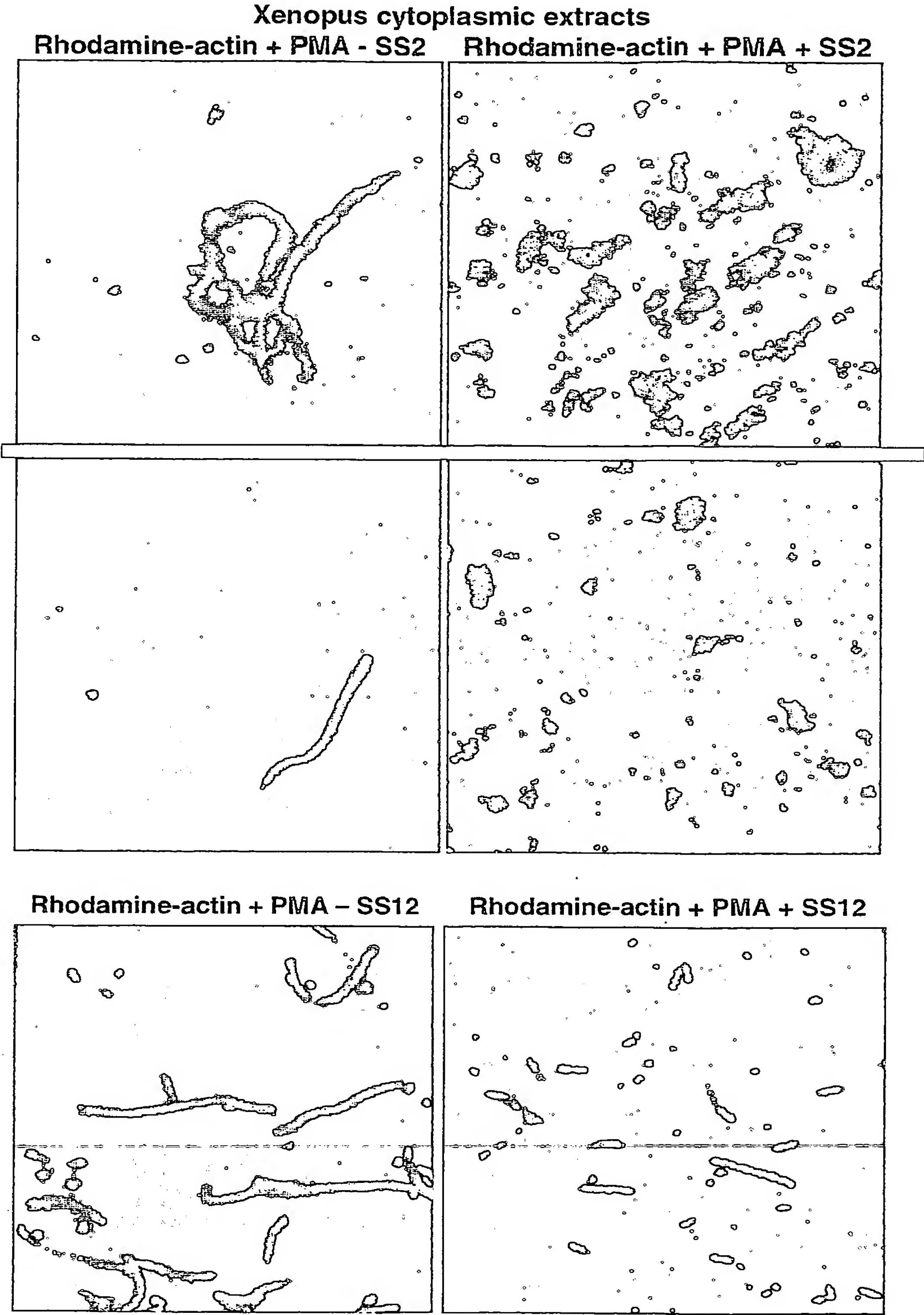


Fig. 4

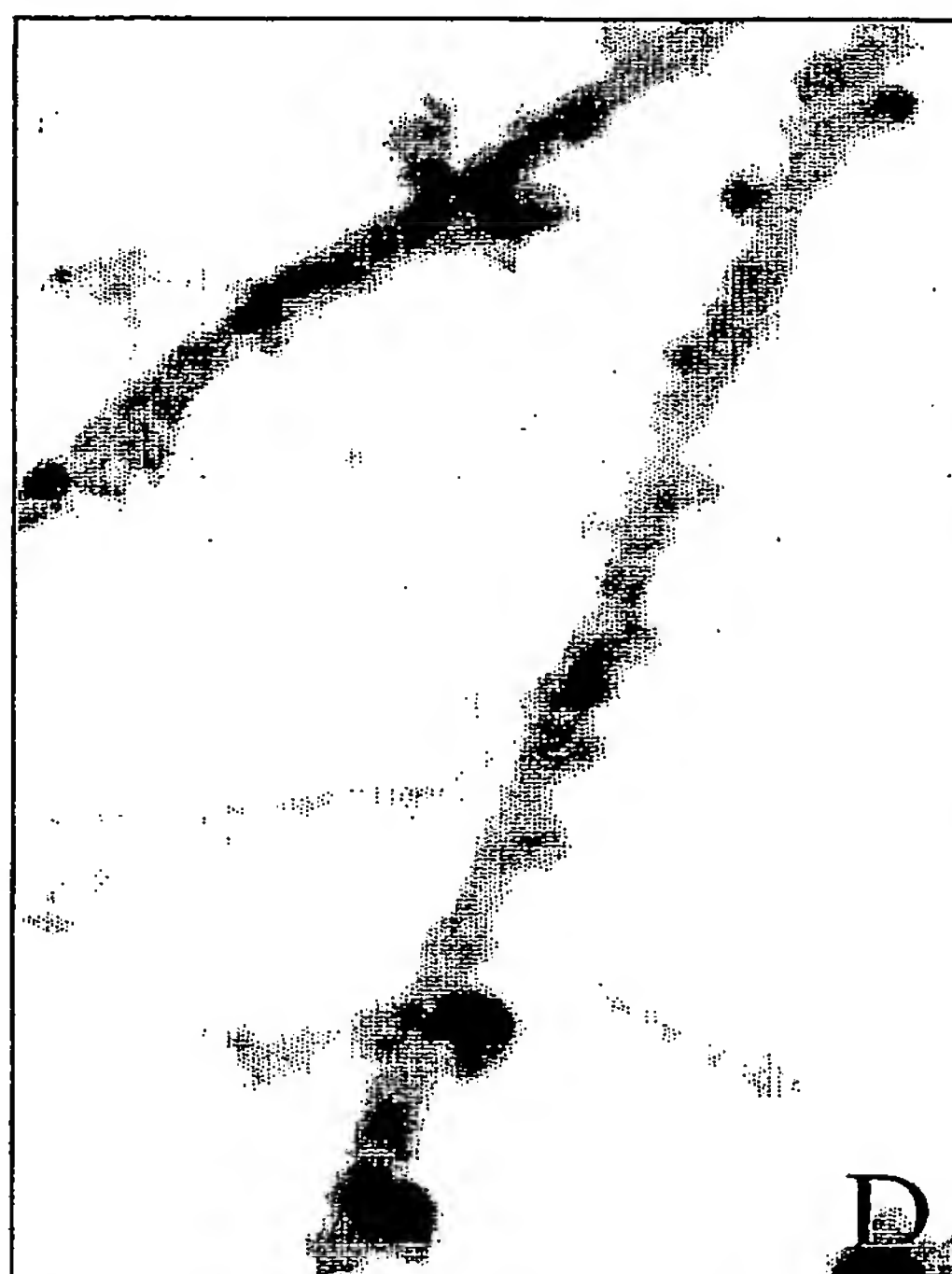
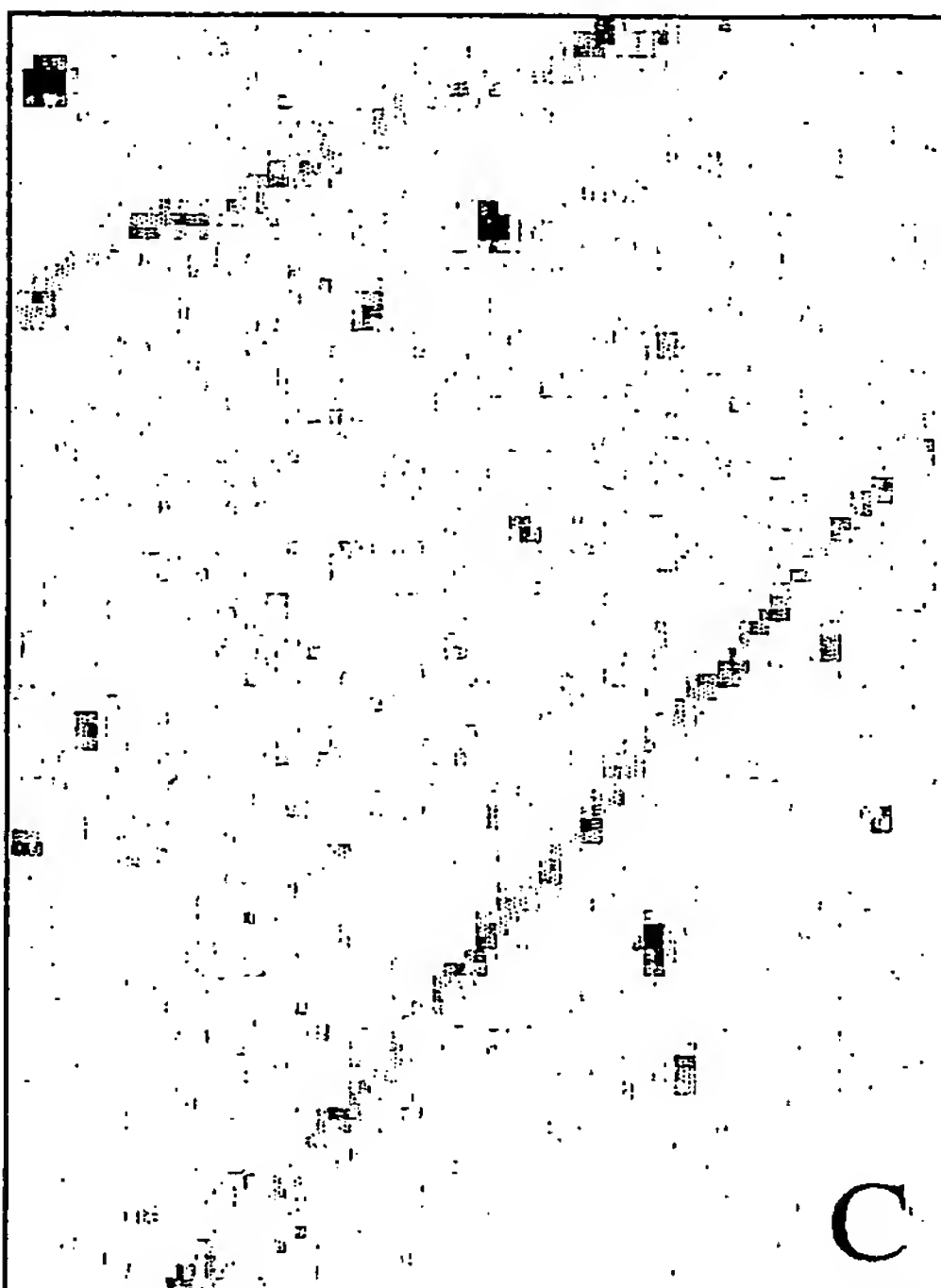
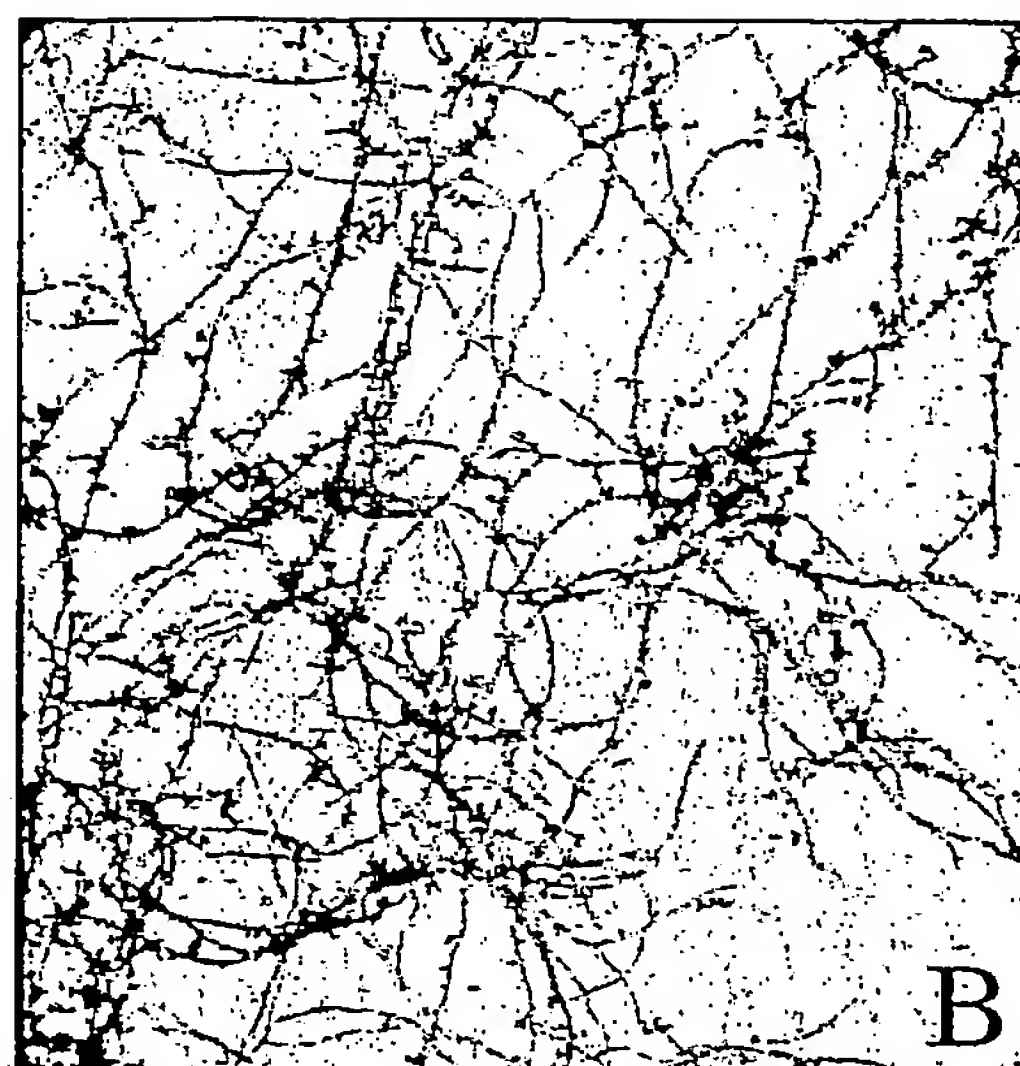
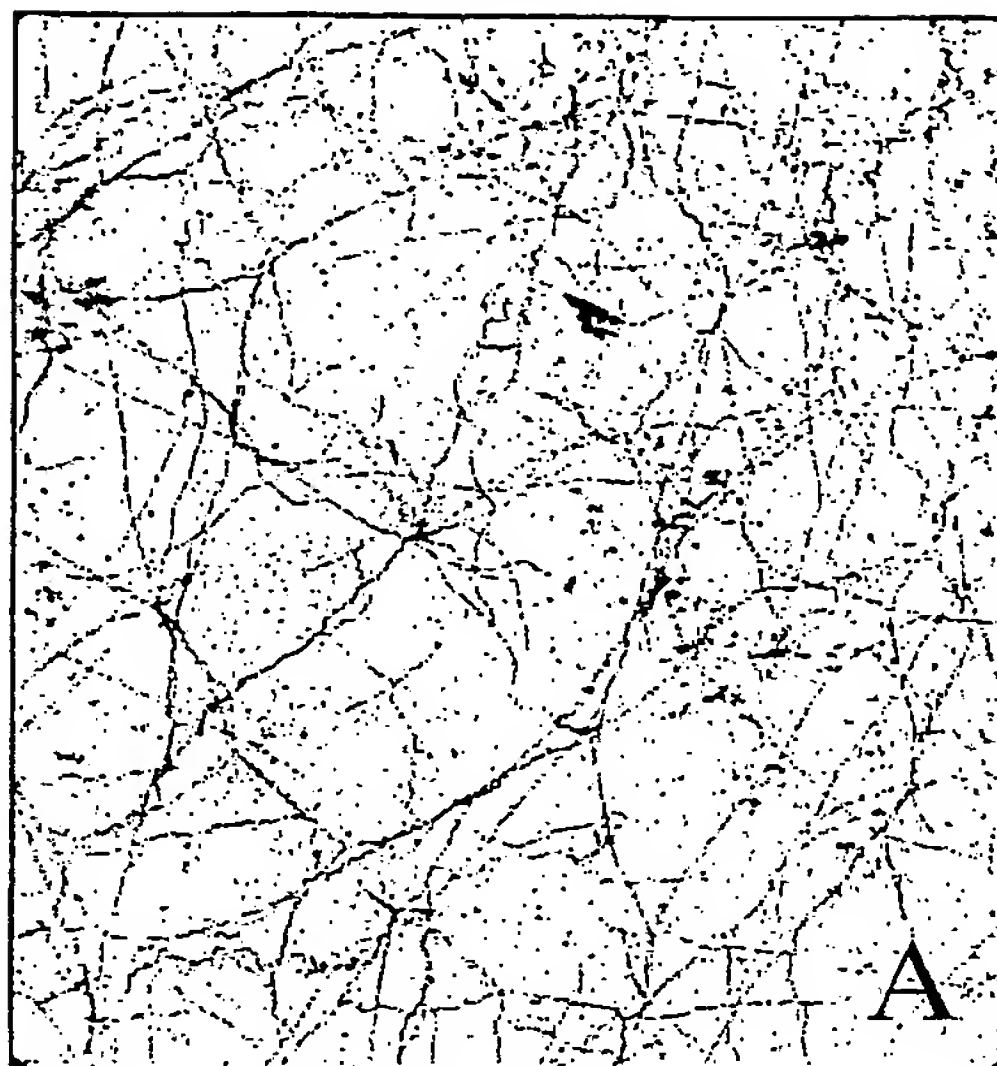


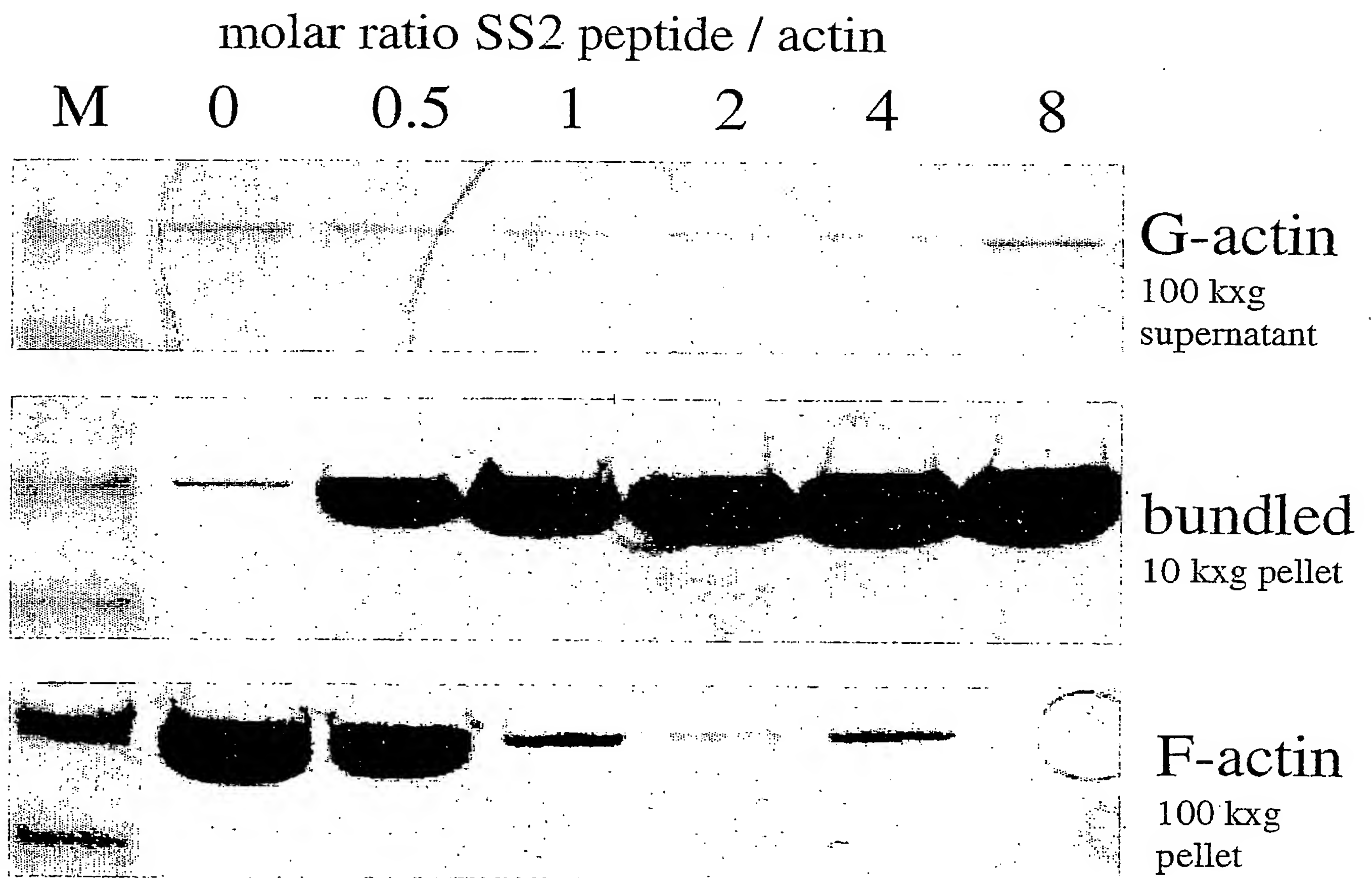


**Fig. 5**

control

SS12



**Fig. 6A**





**Fig. 6C**

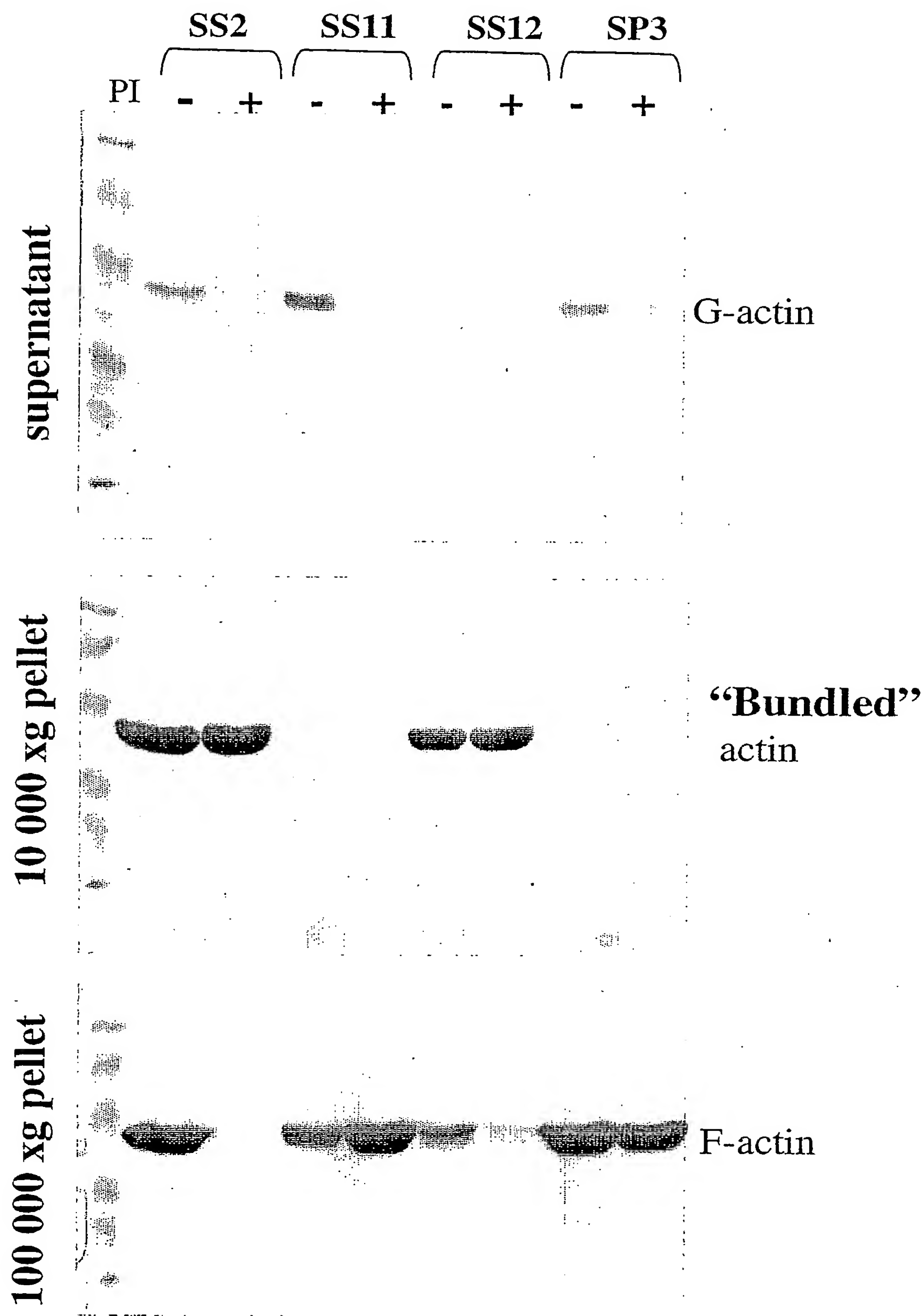
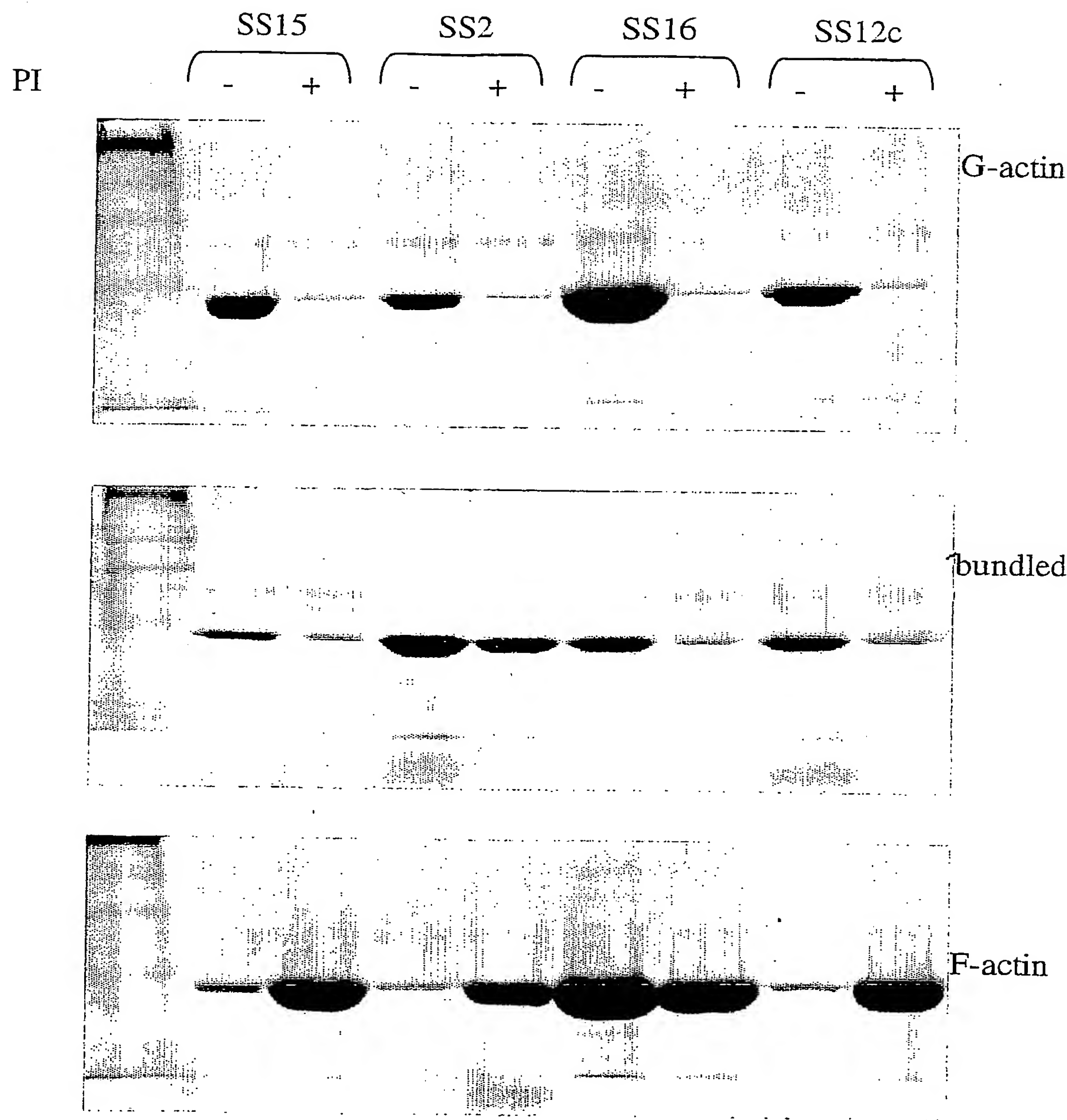


Fig. 6D



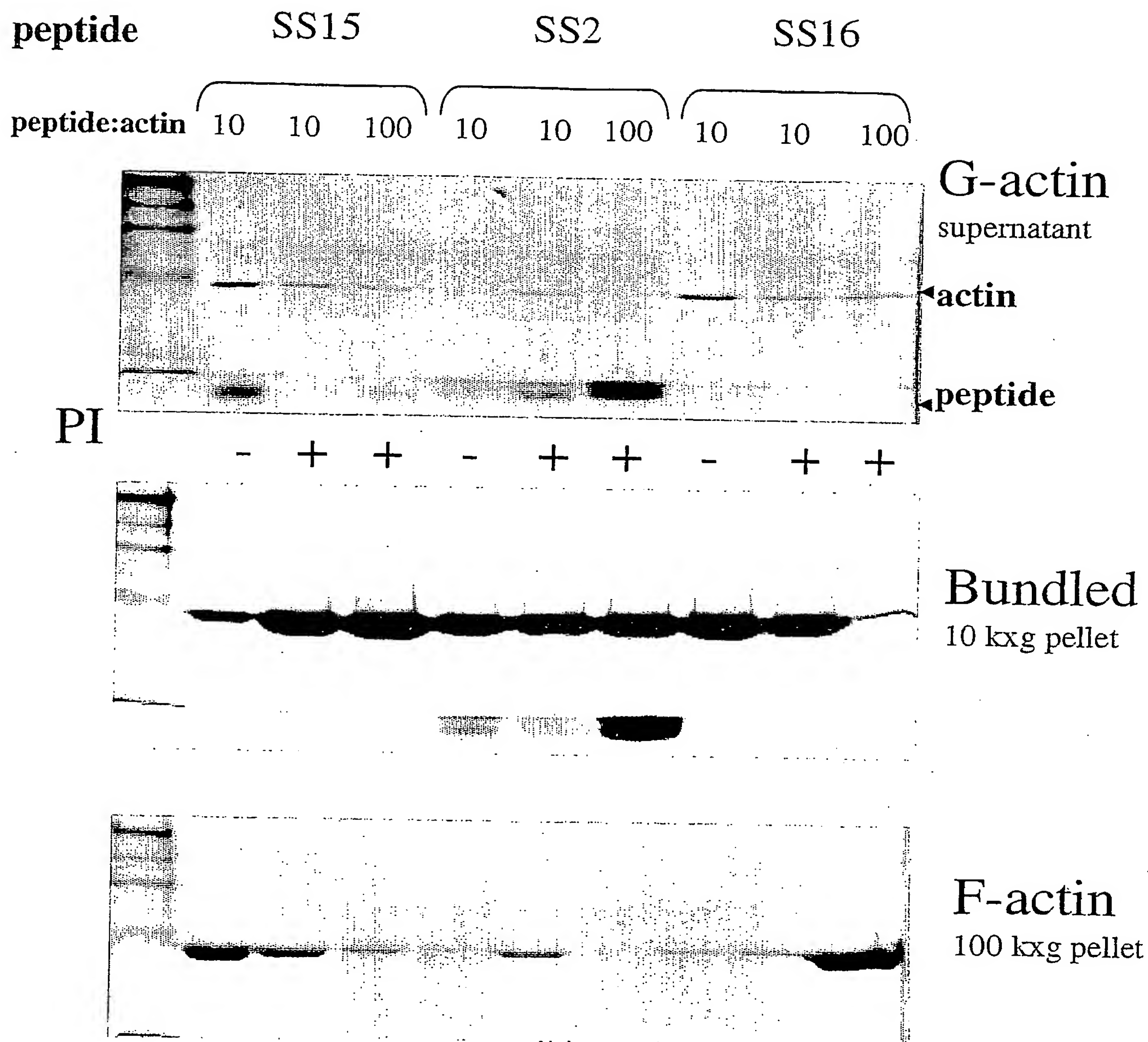
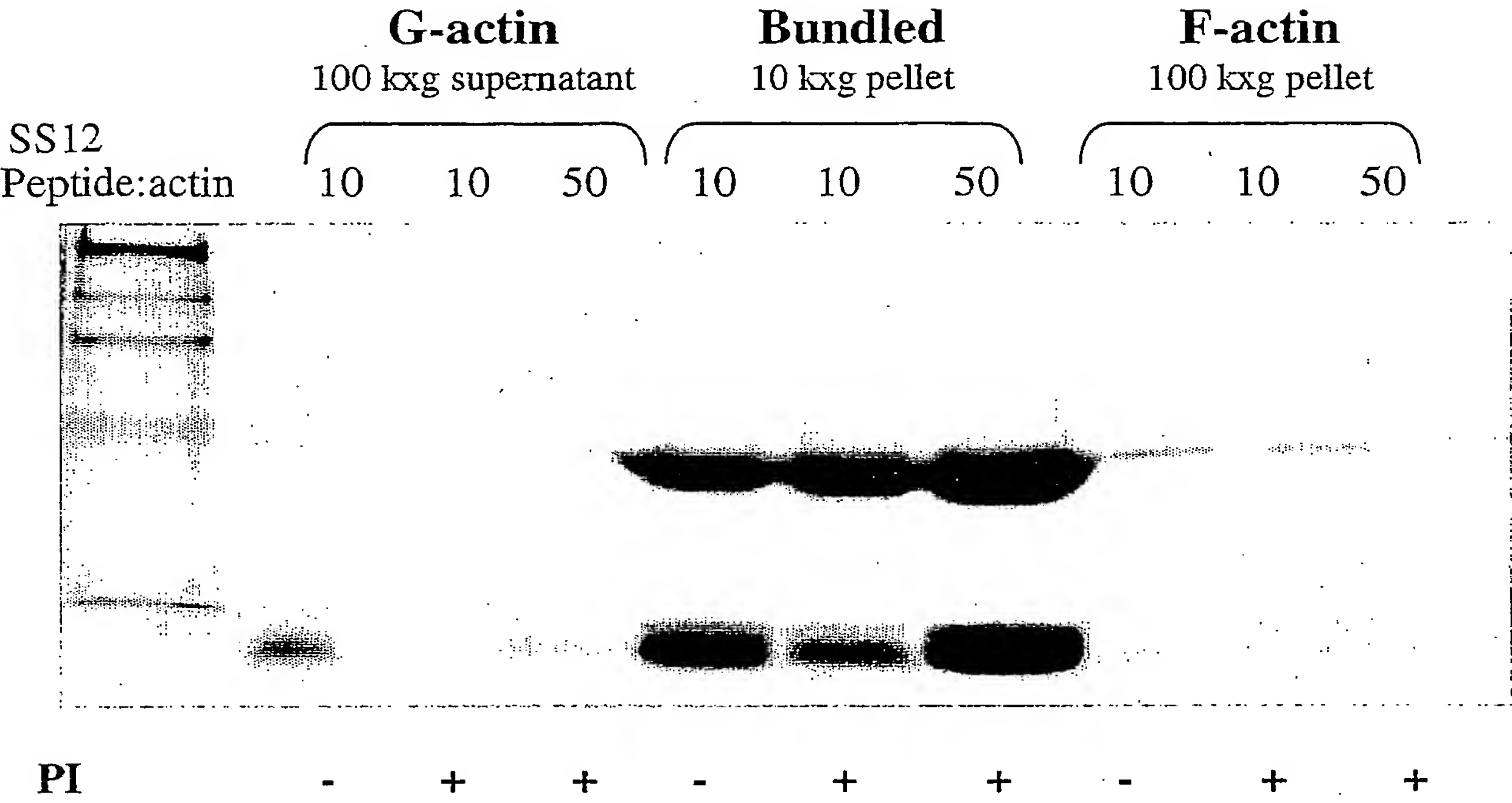
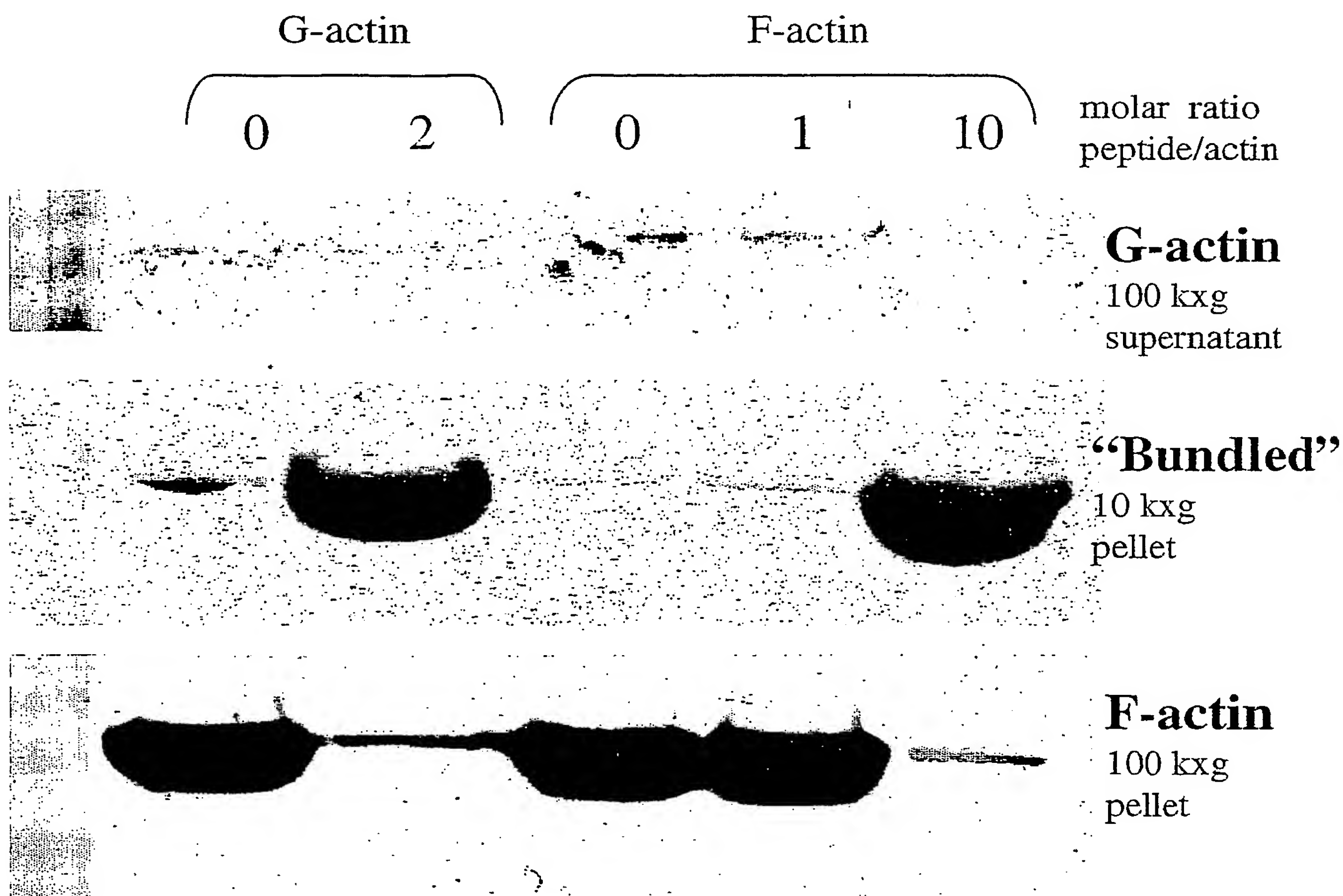
**Fig. 6E**

Fig. 6F



**Fig. 7**

SS2 bundling activity is not affected  
by phalloidin



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☒ FADED TEXT OR DRAWING
- ☒ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☒ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**